

AIRS+ Daily Status Log

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Wednesday 2002-06-05 DOY-156 MD-32	Ascent burn #2: short preburn ending 14:39Z, burn 18+ minutes ending 15:30Z	scanner off ~12:19Z - ~18:44Z	scanner off ~12:19Z - ~18:44Z	scanner off ~12:19Z - ~17:00Z
Thursday 2002-06-06 DOY-157 MD-33	N/A	Full Scan, decontamination heater on	AMSU-A1 spaceview #1 stare 19:04Z-19:05Z, spaceview #2 stare 19:55Z-19:57Z	Full Scan
Friday 2002-06-07 DOY-158 MD-34	N/A	Full Scan, decontamination heater on	All scanners parked @ warm cal ~19:46Z	Scanner parked @ Warm Cal 10:34Z

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-06-08 DOY-159 MD-35	Ascent Burn #3 13:02Z - 13:15Z	Scanner parked @ OBC (warm cal) 10:34Z - 15:28Z	All scanners restarted ~14:17Z	Parked @ Warm Cal
Sunday 2002-06-09 DOY-160 MD-36	N/A	Decontamination heater turned off 15:11Z	Full Scan	Parked @ Warm Cal
Monday 2002-06-10 DOY-161 MD-37	Ascent Burn #4 ending 14:36Z	Scanner restarted ~16:46Z. Cooler electronics turned on ~19:00Z.	Returned to full scan ~15:37Z	Returned to full scan 15:38Z
Tuesday 2002-06-11 DOY-162 MD-38	N/A	Full Scan, cooling.	Full Scan	Full Scan
Wednesday 2002-06-12 DOY-163 MD-39	N/A	Full Scan. focal plane on 15:57Z-19:40Z (cooler B), 21:31Z... (cooler A). Cal 1 23:24Z	Full Scan	Full Scan
Thursday				

2002-06-13 DOY-164 MD-40	Ascent burn #5 ~13:51-14:02Z	Guard test started* 01:12Z. Scanner parked 11:35Z-15:59Z. Automated daily Guard test* 06:11-06:35Z.	Scanner parked 11:35Z-15:27Z.	Scanner parked 11:35Z-15:27Z.
Friday 2002-06-14 DOY-165 MD-41	Yaw maneuvers ending ~22:00Z	Automated daily Guard test* ~06:30Z. Choke point heater set point changed 155K to 153 K. Guard test proc updated.	Full Scan	Full Scan

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-06-15 DOY-166 MD-42	Yaw maneuvers	Automated daily Guard test ~06:30Z. A-side cold head set point changed 56K to 55.25 K to 55.28 K.	Full Scan	Full Scan
Sunday 2002-06-16 DOY-167 MD-43	N/A	(C7 = space view noise test) 3:41Z C-7 A-side dirty orbit (w/ SAA). Automated daily Guard test ~06:30Z. 7:41Z C-7 B-side clean orbit. 9:15Z C-7 A-side clean orbit.	Full Scan	Full Scan
Monday 2002-06-17 DOY-168 MD-44	Ascent Burn #6 (Final burn!)	Automated daily Guard test 07:20Z - 7:44Z. Scanner parked 13:28Z, restarted 18:15Z.	Scanners parked 13:26Z, restarted 17:13Z. spaceview #1 used.	Scanner parked 13:27, restarted 18:17Z. In investigate mode (changing space views each scan).
Tuesday 2002-06-18 DOY-169 MD-45	N/A	Automated daily Guard test 08:03Z - 8:27Z.	Scanners parked briefly and switched to cold cal #2 ~18:20Z	Transition from Investigate to Normal mode 18:24Z
Wednesday 2002-06-19 DOY-170 MD-46	N/A	Automated daily Guard test 08:46Z - 9:10Z.	Scanners parked briefly and switched to cold cal #3 ~18:40Z	Full Scan
Thursday 2002-06-20 DOY-171 MD-47	Lunar cal roll ~16:40Z. Causes data gaps for all instruments.	(C7 = space view noise test) 00:46Z C-7 A-side, circ off, clean orbit. 02:25Z C-7 B-side, circ off, clean orbit. 03:14Z C-7 A-side, circ on, dirty orbit (SAA). ?????Z C-7 A/B optimum gains, circ off, clean orbit. Automated daily Guard test 09:29Z - 09:54Z.	Scanners parked briefly and switched to cold cal #4 ~21:20Z	Full Scan
Friday 2002-06-21		Automated daily Guard test 10:13ZZ	Scanners parked at nadir	Parked at nadir

DOY-172	N/A	- 10:37Z	21:58Z (A1) and 22:00Z (A2)	22:01Z
MD-48				

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-06-22 DOY-173 MD-49	N/A	Automated daily Guard test 07:38Z - 08:02Z	Nadir stare	Nadir stare
Sunday 2002-06-23 DOY-174 MD-50	MODIS yaw maneuvers	Automated daily Guard test 08:21Z - 08:46Z.	Transition to full scan 12:50Z - 12:58Z	Transition to full scan 12:55Z - 12:59Z
Monday 2002-06-24 DOY-175 MD-51	MODIS yaw maneuvers	Automated daily Guard test 07:12Z - 07:36Z. 3 new gain tables updated 20:13-20:29Z.	Full Scan	Full Scan
Tuesday 2002-06-25 DOY-176 MD-52	N/A	Automated daily Guard test 06:16Z - 06:40Z. 03:32 Z Space view; A/B Optimum gains, circumvention on, through the SAA; 07:30 Z Space view; B-side gains, circumvention on, away from SAA; 08:30 Z Space view; A-side gains, circumvention on, away from SAA; 10:45 Z Space view; A/B Optimum gains, circumvention on, away from SAA; 11:40 Z OBC; A/B Optimum gains, circumvention on, away from SAA; 15:40 Z Space view; B-side gains, circumvention on, through the SAA	Full Scan	Full Scan
Wednesday 2002-06-26 DOY-177 MD-53	CERES yaw maneuvers	Automated daily Guard test 06:59Z - 07:24Z. 04:15 Z Space view; A-side gains, circumvention on, through the SAA	Full Scan	Full Scan
Thursday 2002-06-27 DOY-178	Went to safe mode 15:40. Attitude loosely controlled,	Automated daily Guard test 07:41Z - 08:07Z. Temperature increased during safe mode. OpMode changed to StandBy, submode 4 (safe) but no	Full Scan until 15:40, then stare at warm	Full Scan until 15:40, then stare at warm

MD-54	especially yaw.	operational changes.	cal.	cal.
Friday 2002-06-28 DOY-179 MD-55	Restored to fine point mode 18:45 Z.	Daily guard test run manually 19:07Z - 19:31Z. AIRS Instrument Clock Holding Overwrite bit was set in s/w status word1 13:02.	Scanners restarted 20:34 Z (A1) and 20:36 Z (A2).	Scanner restarted 20:13 Z.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-06-29 DOY-180 MD-56	N/A	Daily guard test 07:30-07:54Z. (s/w status wd #1 still set)	Full Scan	Full Scan
Sunday 2002-06-30 DOY-181 MD-57	N/A	Daily guard test 08:13-08:37Z. (s/w status wd #1 still set)	Full Scan	Full Scan
Monday 2002-07-01 DOY-182 MD-58	N/A	Daily guard test 07:18-07:42. (s/w status wd #1 still set)	Full Scan	Full Scan
Tuesday 2002-07-02 DOY-183 MD-59	N/A	Daily guard test 08:01-08:25Z. cal 9 scattered light, spaceview mode 15:57-16:31Z. cal 6 non-linearity 18:43-19:00Z, ** this test left instr config word #1 wrong. (s/w status wd #1 still set)	Full Scan	Full Scan
Wednesday 2002-07-03 DOY-184 MD-60	N/A	Daily guard test 05:26-05:50Z. reset instr config word #1 (s/w status wd #1 still set)	Full Scan. Changed to space view #3 (optimal)	Full Scan.
Thursday 2002-07-04 DOY-185 MD-61	N/A	Daily guard test 06:53-07:17Z. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Friday 2002-07-05 DOY-186 MD-62	N/A	Daily guard test 06:53-07:17Z (s/w status wd #1 still set)	Full Scan.	Full Scan.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-07-06 DOY-187 MD-63	N/A	Daily guard test 07:36-08:00Z (s/w status wd #1 still set)	Full Scan.	Full Scan.
Sunday 2002-07-07 DOY-188 MD-64	N/A	Daily guard test 06:40-07:05Z (s/w status wd #1 still set)	Full Scan.	Full Scan.
Monday 2002-07-08 DOY-189 MD-65	N/A	Daily guard test 07:24-07:48Z Circumvention threshold processing enabled. (It is to remain enabled for the rest of the mission.) Start Cal-5, OBC float test. (Turn off OBC heater.) (s/w status wd #1 still set)	Full Scan.	Full Scan.
Tuesday 2002-07-09 DOY-190 MD-66	N/A	Daily guard test 06:28-06:52Z Upload new gain tables. Enable new A/B optimum gain table 15:16Z. Continue Cal-5, OBC float test. (OBC heater back on 16:05Z.) (s/w status wd #1 still set)	Full Scan.	Full Scan.
Wednesday 2002-07-10 DOY-191 MD-67	N/A	Daily guard test starts 05:32Z End Cal-5/run Cal-8 (gain/circumvention) circumvention restarted 13:28. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Thursday 2002-07-11 DOY-192 MD-68	Drag maintenance burn 15:08Z (48 secs)	Daily guard test starts 06:22Z scanner parked at OBC 11:34Z-17:45Z (s/w status wd #1 still set) Cal-3/channel spectra phase test started 17:48	Scanners parked warm cal 11:31Z-16:45Z	Scanner parked target view 11:33Z-16:46Z
Friday 2002-07-12 DOY-193 MD-69	N/A	No daily guard test. Cal-3/channel spectra phase test continues. (s/w status wd #1 still set)	Full Scan.	Full Scan.

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Saturday 2002-07-13 DOY-194 MD-70	N/A	No daily guard test. Cal-3/channel spectra phase test continues. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Sunday 2002-07-14 DOY-195 MD-71	N/A	Daily guard test starts 08:25Z. Cal-3/channel spectra phase test continues. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Monday 2002-07-15 DOY-196 MD-72	N/A	Daily guard test starts 07:30Z. Cal-3/channel spectra phase test ends. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Tuesday 2002-07-16 DOY-197 MD-73	N/A	Daily guard test starts 08:13Z. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Wednesday 2002-07-17 DOY-198 MD-74	N/A	Daily guard test starts 05:38Z. Cal-9 (stray light test) started 20:09Z. Set to operate mode 20:58Z. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Thursday 2002-07-18 DOY-199 MD-75	N/A	Full Scan/Operational. Daily guard test starts 06:22Z. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Friday 2002-07-19 DOY-200 MD-76	MODIS Lunar calibration roll 21:00-21:29Z	Full Scan/Operational. Daily guard test starts 07:29Z. (Last one!) Mode to Ready 19:55-22:30Z for MODIS roll. (s/w status wd #1 still set)	Full Scan.	Full Scan.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-07-20 DOY-201 MD-77	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Sunday 2002-07-21 DOY-202 MD-78	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Monday 2002-07-22 DOY-203 MD-79	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Tuesday 2002-07-23 DOY-204 MD-80	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Wednesday 2002-07-24 DOY-205 MD-81	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Thursday 2002-07-25 DOY-206 MD-82	N/A	Full Scan/Operational. (s/w status wd #1 still set) Each of the three photometric calibrator lamps was turned on (one at a time) for 8 minutes. Lamp #1 07:09-07:17. Lamp #2 08:48-08:56. Lamp #3 10:27-10:35.	Full Scan.	Full Scan.
Friday 2002-07-26 DOY-207 MD-83	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-07-27 DOY-208 MD-84	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Sunday 2002-07-28 DOY-209 MD-85	N/A	Full Scan/Operational. (s/w status wd #1 still set)	Full Scan.	Full Scan.
Monday 2002-07-29 DOY-210 MD-86	Went to Safe mode 20:18:44Z	(s/w status wd #1 still set) Cooler off for start of decontamination heat up 13:18. OpMode to StandBy after 20:18	to warm cal stare after 20:18	to warm cal stare after 20:18
Tuesday 2002-07-30 DOY-211 MD-87	Safe Mode	(s/w status wd #1 still set) Heating up for decontamination. OpMode StandBy	warm cal stare	warm cal stare
Wednesday 2002-07-31 DOY-212 MD-88	Safe Mode	(s/w status wd #1 still set) Heater turned on for decontamination 13:52. OpMode StandBy	warm cal stare	warm cal stare
Thursday 2002-08-01 DOY-213 MD-89	Safe Mode	(s/w status wd #1 still set) Heater on for decontamination. OpMode StandBy	warm cal stare	warm cal stare
Friday 2002-08-02 DOY-214 MD-90	Safe Mode	(s/w status wd #1 still set) Heater on for decontamination. OpMode StandBy	warm cal stare	warm cal stare

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-08-03 DOY-215 MD-91	Safe Mode	(s/w status wd #1 still set) Heater on for decontamination. OpMode StandBy	warm cal stare	warm cal stare
Sunday 2002-08-04 DOY-216 MD-92	Safe Mode	(s/w status wd #1 still set) Decontam heater off 13:52Z. Cooler initialized ~14:20Z. OpMode StandBy	warm cal stare	warm cal stare
Monday 2002-08-05 DOY-217 MD-93	Safe Mode	(s/w status wd #1 still set) Cooler set point changed 153K -> 155K 21:33Z. OpMode StandBy	warm cal stare	warm cal stare
Tuesday 2002-08-06 DOY-218 MD-94	N/A	(s/w status wd #1 still set) Cooling down. OpMode StandBy	Scanners restarted 16:30Z	Scanner restarted 18:06Z
Wednesday 2002-08-07 DOY-219 MD-95	N/A	(s/w status wd #1 still set) spectrometer at set point to 155 K. OpMode StandBy	Full Scan.	Full Scan.
Thursday 2002-08-08 DOY-220 MD-96	N/A	(s/w status wd #1 still set) spectrometer at set point to 155 K. OpMode StandBy	Full Scan.	Space view changed from #1 to #4 17:08Z.
Friday 2002-08-09 DOY-221 MD-97	N/A	(s/w status wd #1 still set) Cooler compressor on 13:45Z. Focal plane on 17:00Z. ~20:00Z cooler compressor spontaneously turned itself off. Focal plane turned off by safety feature ~20:35Z. OpMode StandBy	Full Scan.	Full Scan.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-08-10 DOY-222 MD-98	N/A	(s/w status wd #1 still set) Cooler compressor and focal plane off. OpMode StandBy	Full Scan.	Full Scan.
Sunday 2002-08-11 DOY-223 MD-99	N/A	(s/w status wd #1 still set) Cooler compressor and focal plane off. OpMode StandBy	Full Scan.	Full Scan.
Monday 2002-08-12 DOY-224 MD-100	N/A	(s/w status wd #1 still set) Cooler compressor and focal plane off. OpMode StandBy	Full Scan.	Full Scan.
Tuesday 2002-08-13 DOY-225 MD-101	N/A	(s/w status wd #1 still set) Cooler compressor and focal plane off. Cooler electronics turned off to clear watchdog timer and back on ~1600Z. OpMode StandBy	Full Scan.	Full Scan.
Wednesday 2002-08-14 DOY-226 MD-102	N/A	(s/w status wd #1 still set) Cooler compressor on 13:14Z. Focal plane on 15:48Z. Guard test 18:52Z. OpMode Checkout	Full Scan.	Full Scan.
Thursday 2002-08-15 DOY-227 MD-103	N/A	(s/w status wd #1 still set) Cal-8 tests (all Space View clean orbit): 06:23Z A-gains. 07:12Z B-gains. 08:53Z A-gains. 09:40Z B-gains. 10:30Z A-gains. 11:19Z B-gains. Guard tests 08:26Z and 19:58Z. OpMode Checkout	Full Scan.	Full Scan.
Friday 2002-08-16 DOY-228 MD-104	N/A	(s/w status wd #1 still set) Guard tests 07:31Z and 20:41Z. OpMode Checkout	Full Scan.	Full Scan.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Saturday 2002-08-17 DOY-229 MD-105	N/A	(s/w status wd #1 still set) Guard tests 08:14Z and 19:46Z. OpMode Checkout	Full Scan.	Full Scan.
Sunday 2002-08-18 DOY-230 MD-106	N/A	(s/w status wd #1 still set) Guard tests 07:18Z and 20:29Z. OpMode Checkout	Full Scan.	Full Scan.
Monday 2002-08-19 DOY-231 MD-107	N/A	(s/w status wd #1 still set) Guard tests 08:01Z and 19:33Z. OpMode Checkout	Full Scan.	Full Scan.
Tuesday 2002-08-20 DOY-232 MD-108	N/A	(s/w status wd #1 still set) Guard tests 07:06Z and 20:17Z. Two new gain tables uploaded. (activated by Cal-8 2002-08-21) OpMode Checkout	Full Scan.	Full Scan.
Wednesday 2002-08-21 DOY-233 MD-109	N/A	(s/w status wd #1 still set) Cal-8 tests 07:24 (space view) and 08:14 (OBC). Guard tests 09:28. OpMode Checkout	Full Scan.	Full Scan.
Thursday 2002-08-22 DOY-234 MD-110	Drag makeup burn. 14:55 start initial yaw. 15:32 short burn. 16:30-16:40 final yaw.	(s/w status wd #1 still set) Scanner parked 13:44. AIRS cooler trip 16:32. (in SAA during flare -- suspect radiation hit.) Scanner restarted 17:36. OpMode Checkout. Cooler off.	Scanners parked ~13:45-17:00.	Scanner parked 13:42-16:57.
Friday 2002-08-23 DOY-235 MD-111	N/A	(s/w status wd #1 still set) OpMode transitioned from Checkout to Standby. Cooler off.	Full Scan.	Full Scan.

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Sunday 2002-08-25 DOY-237 MD-113	N/A	(s/w status wd #1 still set) OpMode Standby. Cooler off.	Full Scan.	Full Scan.
Monday 2002-08-26 DOY-238 MD-114	N/A	(s/w status wd #1 still set) OpMode changed from Standby to Checkout. Cooler turned back on 16:03Z-16:12Z. Focal Plane on 19:20Z. Guard test 23:11Z.	Full Scan.	Full Scan.
Tuesday 2002-08-27 DOY-239 MD-115	N/A	(s/w status wd #1 still set) OpMode Checkout. Cal-8 A-gains spaceview 05:07Z, 06:41Z, 09:14Z. Cal-8 B-gains spaceview 05:57Z, 08:25Z, 10:04Z. Guard test 07:10Z. A-gains loaded 12:39Z. B-gains loaded 20:01Z.	Full Scan.	Full Scan.
Wednesday 2002-08-28 DOY-240 MD-116	N/A	(s/w status wd #1 still set) OpMode Checkout. Guard tests 07:55Z, 19:27Z. (first guard test cleared B-gains)	Full Scan.	Full Scan.
Thursday 2002-08-29 DOY-241 MD-117	N/A	(s/w status wd #1 still set) OpMode Checkout. Guard tests 08:38Z, 20:10Z.	Full Scan.	Full Scan.
Friday 2002-08-30 DOY-242 MD-118	N/A	(s/w status wd #1 still set) CAL-8 Optimum gains space view 05:39Z. Guard tests 07:42Z. CAL-8 Optimum gains OBC view 08:57Z. (These tests loaded a new gain table) OpMode transitioned from Checkout to Operate 09:25Z.	Full Scan.	Full Scan.

Since 2002-08-30 09:25Z all AIRS suite instruments are fully operational except as noted below...

September 2002

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Sunday 2002-09-08 DOY-251 MD-127	N/A	(s/w status wd #1 still set) photometric calibrator lamp turned on twice, 8 minutes each: 22:00Z (day), 23:02Z (night). OpMode Operate.	Full Scan.	Full Scan.
Monday 2002-09-09 DOY-252 MD-128	N/A	s/w status wd #1 cleared 20:04Z. OpMode Operate.	Full Scan.	Full Scan.
[...]	[...]	[...]	[...]	[...]
Thursday 2002-09-12 DOY-255 MD-131	Roll error triggered safing event 13:31Z. return to fine point mode 20:16Z.	OpMode to Standby after safing. Opmode to Operate ~23:24Z.	Warm cal stare from safing to ~23:21Z.	Warm cal stare from safing to ~23:24Z.
[...]	[...]	[...]	[...]	[...]
Monday 2002-09-16 DOY-259 MD-135	Drag makeup burn. Pre-burn Yaw begins 14:00Z. 75-second burn begins 14:58Z. Post-burn yaw ends 16:00Z.	OpMode to Ready 13:02Z (scanner parks). scanner restarts 16:46Z. Opmode to Operate 16:48Z.	Scanners parked ~13:20Z - 16:32Z.	Scanner parked 13:24Z - 16:34Z.
[...]	[...]	[...]	[...]	[...]

October 2002

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Friday 2002-10-04 DOY-277 MD-153 THRU Sunday 2002-10-13 DOY-286	N/A	Photometric calibrator #3 on 8 minutes per day starting at 22:00Z	Full Scan.	Full Scan.

MD-162				
[...]	[...]	[...]	[...]	[...]
Wednesday 2002-10-16 DOY-289 MD-165	MODIS lunar cal roll 14:11:38-14:45:48Z	"Ready" Mode 14:05-14:53Z	Full Scan.	Full Scan.
Thursday 2002-10-17 DOY-290 MD-166	Drag makeup burn 15:38-15:39Z. <hr/> Total maneuver 14:49- 16:40Z	Scanner parked 10:20-12:00Z for a test. <hr/> Parked 14:35-17:20 for maneuver.	Parked 14:40- 17:16Z.	Parked 14:42- 17:17Z.
Friday 2002- 10-18 DOY-291 MD-167	N/A	Full Scan.	Full Scan.	Full Scan.
Saturday 2002-10-19 DOY-292 MD-168	N/A	Radiation event in SAA caused cooler shutdown 17:03Z	Full Scan.	Full Scan.
Sunday 2002- 10-20 DOY-293 MD-169	N/A	Standby.	Full Scan.	Full Scan.
Monday 2002- 10-21 DOY-294 MD-170	N/A	Cooler turn-on started 18:25.	Full Scan.	Full Scan.
Tuesday 2002-10-22 DOY-295 MD-171	N/A	Transition to "Operate" Mode 01:37:29Z	Full Scan.	Full Scan.
Wednesday 2002-10-23 DOY-296	N/A	Mode "Checkout" for tests 05:25:04Z - 10:27:10Z. <hr/> 05:25:04 Guard Test (CAL-2). <hr/> 06:39:00 Gain/Circumvention Test (CAL-8)---clean orbit; spaceview, A-side gains. <hr/> 08:19:00 Gain/Circumvention	Full Scan.	Full Scan.

MD-172		Test (CAL-8)---clean orbit; spaceview, B-side gains.		
		09:57:00 Gain/Circumvention Test (CAL-8)---clean orbit; spaceview, Optimum gains.		
[...]	[...]	[...]	[...]	[...]

November 2002

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Tuesday 2002-11-12 DOY-316 MD-192	Drag makeup burn 15:40-15:42Z. Total maneuver 14:37-16:33Z	Scanner parked ("Ready" mode) 14:20Z-17:26Z	Parked 14:23-17:01Z.	Parked 14:25-17:02Z.
[...]	[...]	[...]	[...]	[...]
Friday 2002-11-15 DOY-319 MD-168	MODIS lunar cal roll 04:29-04:58Z	"Ready" Mode 04:29-04:58Z	Full Scan.	Full Scan.
[...]	[...]	[...]	[...]	[...]
Wednesday 2002-11-20 DOY-324 MD-200	N/A	"Ready" Mode 22:32Z to attempt to go to two-cooler mode (failed)	Full Scan.	Full Scan.
Thursday 2002-11-21 DOY-325 MD-201	N/A	Returned to "Operate" mode 01:16Z "Ready" mode 22:02Z to go to two-cooler mode "Operate" mode 23:07Z (now in two-cooler mode, but temperatures not nominal)	Full Scan.	Full Scan.
Friday 2002-11-22 DOY-326 MD-202	N/A	"Ready" mode 22:36Z to adjust temperature set points "Operate" mode 22:45Z	Full Scan.	Full Scan.
[...]	[...]	[...]	[...]	[...]

December 2002

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Thursday 2002-12-12	Drag makeup burn 15:40-15:41Z.	Scanner parked ("Ready" mode) 14:30Z-17:26Z	Parked 14:33- 17:21Z.	Parked 14:35- 17:22Z.
DOY-346	Total maneuver			
MD-222	14:49-16:38Z			
Friday 2002- 12-13	N/A	photometric calibrator lamp turned on twice, 8 minutes each	Full Scan.	Full Scan.
DOY-347		21:16-24Z (spacecraft night)		
MD-223		22:00-08Z (spacecraft day)		
Saturday 2002-12-14	MODIS lunar cal roll 21:59-22:19Z	"Ready" Mode 21:59-22:20Z	Full Scan.	Full Scan.
DOY-348				
MD-224				
[...]	[...]	[...]	[...]	[...]

January 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Friday 2003- 01-03	Drag makeup burn #7 15:55-15:56Z.	Scanner parked ("Ready" mode) 15:00Z-17:38Z	Parked 15:01- 17:32Z.	Parked 15:03- 17:33Z.
DOY-003	Total maneuver			
MD-244	15:06-16:44Z			
[...]	[...]	[...]	[...]	[...]
Thursday 2003-01-09	N/A	gain/circumvention table upload 15:15-15:30Z	Full Scan.	Full Scan.
DOY-009				
MD-250				
Friday 2003- 01-10	N/A	06:43Z start Cal-2 (guard test)	Full Scan.	Full Scan.
		07:34Z start Cal-8 (space view; optimum gains)		
		08:02Z Circumvention processing turned back on (Cal-8 turns it off at the end of the test)		
		08:23Z Cal-8 test begins (OBC view; optimum gains)		
		08:51Z Circumvention processing turned back on		

		09:03Z Operating mode set back to OPERATE		
[...]	[...]	[...]	[...]	[...]
Monday 2003-01-13 DOY-013 MD-254	MODIS lunar cal roll 18:37-19:02Z	"Ready" Mode 18:37-19:03Z	Full Scan.	Full Scan.
[...]	[...]	[...]	[...]	[...]
Thursday 2003-01-30 DOY-030 MD-271	Drag makeup burn #8 19:33-22:18Z. <hr/> Total maneuver 15:06-16:44Z	Scanner parked ("Ready" mode) 19:22Z-23:00Z	Parked 19:26- 22:56Z.	Parked 19:28- 22:57Z.
[...]	[...]	[...]	[...]	[...]

February 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Wednesday 2003-02-05 DOY-036 MD-277	N/A	N/A	N/A	21:39Z instrument flags loss of sync, scan control, current spike <hr/> 21:51Z instrument commanded to survival mode during investigation
[...]	[...]	[...]	[...]	[...]
Wednesday 2003-02-12 DOY-043 MD-284	MODIS lunar cal roll 13:48-14:18Z	guard test (C2) 11:25-11:54Z <hr/> "Ready" Mode 13:48-14:19Z	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]

March 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Friday 2003-03-14 DOY-073 MD-314	MODIS lunar cal roll 07:26-07:53Z	guard test (C2) 06:00-06:29Z "Ready" Mode 07:26-07:59Z	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]
Wednesday 2003-03-19 DOY-078 MD-319	Drag makeup burn #9 16:15-16:17Z. Total maneuver 15:33-17:22Z	Scanner parked ("Ready" mode) 15:25-18:03Z	Parked 15:26-18:01Z.	Survival.
[...]	[...]	[...]	[...]	[...]

April 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
Tuesday 2003-04-01 DOY-091 MD-332	N/A	Photometric calibration lamp #3 turned on for 8 mid-night minutes 20:51 Photometric calibration lamp #3 turned on for 8 mid-day minutes 21:40	N/A	N/A
[...]	[...]	[...]	[...]	[...]
Saturday 2003-04-12 DOY-102 MD-343	MODIS lunar cal roll 20:13-20:42Z	guard test (C2) 19:32-19:58Z "Ready" Mode 20:13-20:43Z	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]
Thursday 2003-04-24 DOY-114 MD-355	Drag makeup burn #10 16:49-16:50Z. Total maneuver 16:03-18:34Z	Scanner parked ("Ready" mode) 15:59-18:38Z	Parked 16:01-18:36Z.	Survival.
[...]	[...]	[...]	[...]	[...]

May 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Monday 2003-05-12 DOY-132 MD-373	MODIS lunar cal roll 05:47-06:13Z	guard test (C2) 04:54-05:20Z "Ready" Mode 05:47-06:14Z	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]

June 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Tuesday 2003-06-10 DOY-161 MD-402	MODIS lunar cal roll 12:02-12:30Z	guard test (C2) 10:58-11:26Z "Ready" Mode 12:01-12:31Z	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]
Thursday 2003-06-12 DOY-163 MD-404	Drag makeup burn #11 15:47-15:48Z. Total maneuver 14:59-16:56Z	Scanner parked ("Ready" mode) 14:55-17:30Z	Parked 14:57-16:59Z.	Survival.
[...]	[...]	[...]	[...]	[...]

July 2003

Date	Spacecraft Events	AIRS Events	AMSU-A Events	HSB Events
[...]	[...]	[...]	[...]	[...]
Wednesday 2003-07-09 DOY-190 MD-431	MODIS lunar cal roll 18:09-18:43Z	guard test (C2) 12:07-12:33Z "Ready" Mode 18:09-18:44Z	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]
Thursday 2003-07-17 DOY-198 MD-439	Direct Broadcast antenna TWTA beam power off 15:35-15:40Z to test whether this would reduce noise in AMSU-A channel 7	Full Scan	Full Scan.	Survival.
[...]	[...]	[...]	[...]	[...]

Upcoming events:

- **HSB recovery actions to continue.**
- **Delta inclination maneuver rehearsal August 12**
- **Delta inclination maneuver October 2**

Last updated June 17, 2003 By Evan Manning